

15A-5-101. Title -- Adoption of code.

In accordance with Chapter 1, Part 4, State Fire Code Administration Act, the Legislature repeals the State Fire Code in effect on July 1, 2010, and adopts this chapter as the State Fire Code.

Enacted by Chapter 14, 2011 General Session

15A-5-102. Definitions.

As used in this chapter:

- (1) "Appreciable depth" means a depth greater than 1/4 inch.
- (2) "AHJ" means "authority having jurisdiction," which is:
 - (a) the State Fire Marshal;
 - (b) an authorized deputy of the State Fire Marshal; or
 - (c) the local fire enforcement authority.
- (3) "Division" means the State Fire Marshal Division created in Section 53-7-103.
- (4) (a) "Dwelling Unit" means one or more rooms arranged for the use of one or more individuals living together, as in a single housekeeping unit normally having cooking, living, sanitary, and sleeping facilities.
 - (b) "Dwelling unit" includes a hotel room, dormitory room, apartment, condominium, sleeping room in a nursing home, or similar living unit.
- (5) "IFC" means the edition of the International Fire Code adopted under Section 15A-5-103.
- (6) "NFPA" means the edition of the National Fire Protection Association adopted under Section 15A-5-103.
- (7) "Premixed" means the state of an antifreeze and water solution that results from the solution being prepared by the manufacturer with a quality control procedure that ensures that the antifreeze and water solution does not separate.
- (8) "UL" means Underwriters Laboratories, Inc.

Amended by Chapter 148, 2012 General Session

15A-5-103. Nationally recognized codes incorporated by reference.

The following codes are incorporated by reference into the State Fire Code:

- (1) the International Fire Code, 2012 edition, excluding appendices, as issued by the International Code Council, Inc., except as amended by Part 2, Statewide Amendments and Additions to International Fire Code Incorporated as Part of State Fire Code;
- (2) National Fire Protection Association, NFPA 96, Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, 2011 edition, except as amended by Part 3, Statewide Amendments and Additions to National Fire Protection Association Incorporated as Part of State Fire Code; and
- (3) National Fire Protection Association, NFPA 1403, Standard on Live Fire Training Evolutions, 2012 edition, except as amended by Part 3, Statewide Amendments and Additions to National Fire Protection Association Incorporated as Part of State Fire Code.

Amended by Chapter 189, 2014 General Session

15A-5-201. General provisions.

The amendments and additions in this part to the IFC are adopted for application statewide.

Enacted by Chapter 14, 2011 General Session

15A-5-202. Amendments and additions to IFC related to administration, permits, definitions, general, and emergency planning.

(1) For IFC, Chapter 1, Scope and Administration:

(a) IFC, Chapter 1, Section 102.9, is amended by adding the following immediately before the period: "on an emergency basis if:

(a) the facts known to the fire code official show that an immediate and significant danger to the public health, safety, or welfare exists; and

(b) the threat requires immediate action by the fire code official.

(2) In issuing its emergency order, the fire code official shall:

(a) limit the order to require only the action necessary to prevent or avoid the danger to the public health, safety, or welfare; and

(b) give immediate notice to the persons who are required to comply with the order, that includes a brief statement of the reasons for the fire code official's order.

(3) If the emergency order issued under this section will result in the continued infringement or impairment of any legal right or interest of any party, the party shall have a right to appeal the fire code official's order in accordance with IFC, Chapter 1, Section 108."

(b) IFC, Chapter 1, Section 105.6.16, Flammable and combustible liquids, is amended to add the following section: "12. The owner of an underground tank that is out of service for longer than one year shall receive a Temporary Closure Notice from the Department of Environmental Quality and a copy shall be given to the AHJ."

(c) IFC, Chapter 1, Section 109.3, Notice of violation, is amended as follows: On line three, after the words "is in violation of this code," insert in the section the phrase "or other pertinent laws or ordinances".

(2) For IFC, Chapter 2, Definitions:

(a) IFC, Chapter 2, Section 202, General Definitions, the following definition is added for Ambulatory Surgical Center: "AMBULATORY SURGICAL CENTER. A building or portion of a building licensed by the Utah Department of Health where procedures are performed that may render patients incapable of self preservation where care is less than 24 hours."

(b) IFC, Chapter 2, Section 202, General Definitions, FOSTER CARE FACILITIES is amended as follows: the word "Foster" is changed to the word "Child."

(c) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification, Educational Group E, Day care facilities, is amended as follows: On line three delete the word "five" and replace it with the word "four". On line four after the word "supervision" add the words "child care centers."

(d) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification,

Educational Group E, Five or fewer children is amended as follows: On line one the word "five" is deleted and replaced with the word "four" in both places.

(e) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification, Educational Group E, Five or fewer children in a dwelling unit, the word "five" is deleted and replaced with the word "four" in both places.

(f) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification, Educational Group E, a new section is added as follows: "Child Day Care -- Residential Certificate or a Family License. Areas used for child day care purposes with a Residential Certificate R430-50 or a Family License, as defined in Utah Administrative Code, R430-90, Licensed Family Child Care, may be located in a Group R-2 or R-3 occupancy as provided in Residential Group R-3, or shall comply with the International Residential Code in accordance with Section R101.2."

(g) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification, Educational Group E, a new section is added as follows: "Child Care Centers. Areas used for Hourly Child Care Centers, as defined in Utah Administrative Code, R430-60, Child Care Center as defined in Utah Administrative Code, R430-100, or Out of School Time Programs, as defined in Utah Administrative Code, R430-70, may be classified as accessory occupancies."

(h) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification, Institutional Group I, Group I-1, is amended as follows: On line 8 add "Type I" in front of the words "Assisted living facilities".

(i) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification, Institutional Group I, Five or fewer persons receiving care is amended as follows: On line four after "International Residential Code" the rest of the section is deleted.

(j) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification, Institutional Group I, Group I-2, is amended as follows:

(i) On line three delete the word "five" and insert the word "three".

(ii) On line six the word "foster" is deleted and replaced with the word "child".

(iii) On line 10, after the words "Psychiatric hospitals", add the following to the list: "both intermediate nursing care and skilled nursing care facilities, ambulatory surgical centers with five or more operating rooms, and Type II assisted living facilities. Type II assisted living facilities with five or fewer persons shall be classified as a Group R-4. Type II assisted living facilities with at least six and not more than 16 residents shall be classified as a Group I-1 facility".

(k) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification, Institutional Group I, Group I-4, Day care facilities, Classification as Group E, is amended as follows:

(i) On line two delete the word "five" and replace it with the word "four".

(ii) On line three delete the words "2 1/2 years or less of age" and replace with the words "under the age of two".

(l) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification, Institutional Group Care I, Group I-4, Day care facilities, Five or fewer occupants receiving care in a dwelling unit, is amended as follows: On lines one and two the word "five" is deleted and replaced with the word "four".

(m) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification, Residential Group R-3, the words "and single family dwellings complying with the IRC"

are added after the word "Residential occupancies".

(n) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification, Residential Group R-3, Care facilities within a dwelling, is amended as follows: On line three after the word "dwelling" insert "other than child care".

(o) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification, Residential Group R-3, a new section is added as follows: "Child Care. Areas used for child care purposes may be located in a residential dwelling unit when all of the following conditions are met:

1. Compliance with Utah Administrative Code, R710-8, Day Care Rules, as enacted under the authority of the Utah Fire Prevention Board;

2. Use is approved by the Utah Department of Health under the authority of the Utah Code, Title 26, Chapter 39, Utah Child Care Licensing Act, and in any of the following categories:

1.1. Utah Administrative Code, R430-50, Residential Certificate Child Care; or

1.2. Utah Administrative Code, R430-90, Licensed Family Child Care; and

3. Compliance with all zoning regulations of the local regulator."

(p) IFC, Chapter 2, Section 202, General Definitions, RECORD DRAWINGS, the definition for "RECORD DRAWINGS" is modified by deleting the words "a fire alarm system" and replacing them with "any fire protection system".

Amended by Chapter 199, 2013 General Session, (Coordination Clause)

Amended by Chapter 199, 2013 General Session

Amended by Chapter 357, 2013 General Session

15A-5-202.5. Amendments and additions to Chapters 3 and 4 of IFC.

(1) For IFC, Chapter 3, General Requirements:

(a) IFC, Chapter 3, Section 304.1.2, Vegetation, is amended as follows: Delete line six and replace it with: "the Utah Administrative Code, R652-122-200, Minimum Standards for Wildland Fire Ordinance".

(b) IFC, Chapter 3, Section 308.1.2, Throwing or Placing Sources of Ignition, is deleted and rewritten as follows: "No person shall throw or place, or cause to be thrown or placed, a lighted match, cigar, cigarette, matches, lighters, or other flaming or glowing substance or object on any surface or article where it can cause an unwanted fire."

(c) IFC, Chapter 3, Section 310.8, Hazardous and Environmental Conditions, is deleted and rewritten as follows: "When the fire code official determines that hazardous environmental conditions necessitate controlled use of any ignition source, including fireworks, lighters, matches, sky lanterns, and smoking materials, any of the following may occur:

1. If the hazardous environmental conditions exist in a municipality, the legislative body of the municipality may prohibit the ignition or use of an ignition source in mountainous, brush-covered, or forest-covered areas or the wildland urban interface area, which means the line, area, or zone where structures or other human development meet or intermingle with undeveloped wildland or land being used for an agricultural purpose.

2. Except as provided in paragraph 3, if the hazardous environmental conditions

exist in an unincorporated area, the state forester may prohibit the ignition or use of an ignition source in all or part of the areas described in paragraph 1 that are within the unincorporated area, after consulting with the county fire code official who has jurisdiction over that area.

3. If the hazardous environmental conditions exist in a township created under Section 17-27a-306 that is in a county of the first class, the county legislative body may prohibit the ignition or use of an ignition source in all or part of the areas described in paragraph 1 that are within the township."

(d) IFC, Chapter 3, Section 311.1.1, Abandoned Premises, is amended as follows: On line 10 delete the words "International Property Maintenance Code and the".

(e) IFC, Chapter 3, Section 311.5, Placards, is amended as follows: On line three delete the word "shall" and replace it with the word "may".

(f) IFC, Chapter 3, Section 315.2.1, Ceiling Clearance, is amended to add the following: "Exception: Where storage is not directly below the sprinkler heads, storage is allowed to be placed to the ceiling on wall-mounted shelves that are protected by fire sprinkler heads in occupancies meeting classification as light or ordinary hazard."

(2) IFC, Chapter 4, Emergency Planning and Preparedness:

(a) IFC, Chapter 4, Section 404.2, Where required, Subsection 8, is amended as follows: After the word "buildings" add "to include sororities and fraternity houses".

(b) IFC, Chapter 4, Section 405.2, Table 405.2, is amended to add the following footnotes:

(i) "e. Secondary schools in Group E occupancies shall have an emergency evacuation drill for fire conducted at least every two months, to a total of four emergency evacuation drills during the nine-month school year. The first emergency evacuation drill for fire shall be conducted within 10 school days after the beginning of classes, and the third emergency evacuation drill for fire shall be conducted 10 school days after the beginning of the next calendar year. The second and fourth emergency evacuation drills may be substituted by a security or safety drill to include shelter in place, earthquake drill, or lock down for violence."

(ii) "f. In Group E occupancies, excluding secondary schools, if the AHJ approves, the monthly required emergency evacuation drill can be substituted by a security or safety drill to include shelter in place, earthquake drill, or lock down for violence. The routine emergency evacuation drill for fire must be conducted at least every other evacuation drill."

(iii) "g. A-3 occupancies in academic buildings of institutions of higher learning are required to have one emergency evacuation drill per year, provided the following conditions are met:

(A) The building has a fire alarm system in accordance with Section 907.2.

(B) The rooms classified as assembly shall have fire safety floor plans as required in Section 404.3.2(4) posted.

(C) The building is not classified a high-rise building.

(D) The building does not contain hazardous materials over the allowable quantities by code."

Amended by Chapter 243, 2014 General Session

15A-5-203. Amendments and additions to IFC related to fire safety, building, and site requirements.

(1) For IFC, Chapter 5, Fire Service Features:

(a) In IFC, Chapter 5, a new Section 501.5, Access grade and fire flow, is added as follows: "An authority having jurisdiction over a structure built in accordance with the requirements of the International Residential Code as adopted in the State Construction Code, may require an automatic fire sprinkler system for the structure only by ordinance and only if any of the following conditions exist:

(i) the structure:

(A) is located in an urban-wildland interface area as provided in the Utah Wildland Urban Interface Code adopted as a construction code under the State Construction Code; and

(B) does not meet the requirements described in Utah Code, Subsection 65A-8-203(3)(a) and Utah Administrative Code, R652-122-200, Minimum Standards for Wildland Fire Ordinance;

(ii) the structure is in an area where a public water distribution system with fire hydrants does not exist as required in Utah Administrative Code, R309-550-5, Water Main Design;

(iii) the only fire apparatus access road has a grade greater than 10% for more than 500 continual feet; or

(iv) (A) the water supply to the structure does not provide at least 500 gallons fire flow per minute for a minimum of 30 minutes, if the total square foot living space of the structure is equal to or less than 5,000 square feet;

(B) the water supply to the structure does not provide at least 750 gallons per minute fire flow for a minimum of 30 minutes, if the total square foot living space exceeds 5,000 square feet, but is equal to or less than 10,000 square feet; or

(C) the water supply to the structure does not provide at least 1,000 gallons per minute fire flow for a minimum of 30 minutes, if the total square foot living space exceeds 10,000 square feet."

(b) In IFC, Chapter 5, Section 506.1, Where Required, is deleted and rewritten as follows: "Where access to or within a structure or an area is restricted because of secured openings or where immediate access is necessary for life-saving or fire-fighting purposes, the fire code official, after consultation with the building owner, may require a key box to be installed in an approved location. The key box shall contain keys to gain necessary access as required by the fire code official."

(c) In IFC, Chapter 5, a new Section 507.1.1, Isolated one- and two-family dwellings, is added as follows: "Fire flow may be reduced for an isolated one- and two-family dwelling when the authority having jurisdiction over the dwelling determines that the development of a full fire-flow requirement is impractical."

(d) In IFC, Chapter 5, a new Section 507.1.2, Pre-existing subdivision lots, is added as follows "Total water supply requirements shall not exceed the fire flows described in Section 501.5(iv) for the largest one- or two-family dwelling, protected by an automatic fire sprinkler system, on a subdivision lot platted before December 31, 1980, unless the municipality or county in which the lot is located provides the required fire flow capacity."

(e) In IFC, Chapter 5, Section 510.1, Emergency Responder Radio Coverage in

New Buildings, is amended by adding: "When required by the fire code official," at the beginning of the first paragraph.

(2) For IFC, Chapter 6, Building Services and Systems:

(a) In IFC, Chapter 6, Section 605.11.3.3.1, Access, is deleted and rewritten as follows: "There shall be a minimum three foot wide (914 mm) clear perimeter around the edges of the roof."

(b) In IFC, Chapter 6, Section 605.11.3.3.2, Pathways, is deleted and rewritten as follows: "The solar installation shall be designed to provide designated pathways. The pathways shall meet the following requirements:

1. The pathway shall be over areas capable of supporting the live load of fire fighters accessing the roof.

2. The centerline axis pathways shall be provided in both axes of the roof. Centerline axis pathways shall run where the roof structure is capable of supporting the live load of fire fighters accessing the roof.

3. Smoke and heat vents required by Section 910.2.1 or 910.2.2 of this Code, shall be provided with a clear pathway width of not less than three feet (914 mm) to vents.

4. Access to roof area required by Section 504.2 or 1009.16 of this Code, shall be provided with a clear pathway width of not less than three feet (914 mm) around access opening and at least three feet (914 mm) clear pathway to parapet or roof edge."

(c) In IFC, Chapter 6, Section 605.11.3.2, Residential Systems for One and Two Family Dwellings, is deleted and rewritten as follows: "Access to residential systems for one and two family dwellings shall be provided in accordance with Sections 605.11.3.2.1 through 605.11.3.2.4.

Exception: Reduction in pathways and clear access width shall be permitted where shown that a rational approach has been used and that such reductions are warranted when approved by the Fire Code Official."

(d) In IFC, Chapter 6, Section 605.11.3.3.3, Smoke Ventilation, is deleted and rewritten as follows: "The solar installation shall be designed to meet the following requirements:

1. Arrays shall be no greater than 150 feet (45.720 mm) by 150 feet (45.720 mm) in distance in either axis in order to create opportunities for fire department smoke ventilation operations.

2. Smoke ventilation options between array sections shall be one of the following:

2.1. A pathway six feet (1829 mm) or greater in width.

2.2. A three foot (914 mm) or greater in width pathway and bordering roof skylights or smoke and heat vents when required by Section 910.2.1 or Section 910.2.2 of this Code.

2.3. Smoke and heat vents designed for remote operation using devices that can be connected to the vent by mechanical, electrical, or any other suitable means, shall be protected as necessary to remain operable for the design period. Controls for remote operation shall be located in a control panel, clearly identified and located in an approved location."

(e) In IFC, Chapter 6, Section 607.4, Elevator Key Location, is deleted and

rewritten as follows: "Firefighter service keys shall be kept in a "Supra-Stor-a-key" elevator key box or similar box with corresponding key system that is adjacent to the elevator for immediate use by the fire department. The key box shall contain one key for each elevator, one key for lobby control, and any other keys necessary for emergency service. The elevator key box shall be accessed using a 6049 numbered key. "

(f) In IFC, Chapter 6, Section 609.1, General, is amended as follows: On line three, after the word "Code", add the words "and NFPA 96".

(3) For IFC, Chapter 7, Fire-Resistance-Rated Construction, IFC, Chapter 7, Section 703.2, is amended to add the following: "Exception: In Group E Occupancies, where the corridor serves an occupant load greater than 30 and the building does not have an automatic fire sprinkler system installed, the door closers may be of the friction hold-open type on classrooms' doors with a rating of 20 minutes or less only."

Amended by Chapter 199, 2013 General Session

15A-5-204. Amendments and additions to IFC related to fire protection systems.

For IFC, Fire Protection Systems:

(1) IFC, Chapter 9, Section 901.2, Construction Documents, is amended to add the following at the end of the section: "The code official has the authority to request record drawings ("as built") to verify any modifications to the previously approved construction documents."

(2) IFC, Chapter 9, Section 901.4.6, Pump and Riser Room Size, is deleted and replaced with the following: "Pump and Riser Room Size. Fire pump and automatic sprinkler system riser rooms shall be designed with adequate space for all installed equipment necessary for the installation and to provide sufficient working space around the stationary equipment. Clearances around equipment shall be in accordance with manufacturer requirements and not less than the following minimum elements:

901.4.6.1 A minimum clear and unobstructed distance of 12 inches shall be provided from the installed equipment to the elements of permanent construction.

901.4.6.2 A minimum clear and unobstructed distance of 12 inches shall be provided between all other installed equipment and appliances.

901.4.6.3 A clear and unobstructed width of 36 inches shall be provided in front of all installed equipment and appliances, to allow for inspection, service, repair or replacement without removing such elements of permanent construction or disabling the function of a required fire-resistance-rated assembly.

901.4.6.4 Automatic sprinkler system riser rooms shall be provided with a clear and unobstructed passageway to the riser room of not less than 36 inches, and openings into the room shall be clear and unobstructed, with doors swinging in the outward direction from the room and the opening providing a clear width of not less than 34 inches and a clear height of the door opening shall not be less than 80 inches.

901.4.6.5 Fire pump rooms shall be provided with a clear and unobstructed passageway to the fire pump room of not less than 72 inches, and openings into the room shall be clear, unobstructed and large enough to allow for the removal of the largest piece of equipment, with doors swinging in the outward direction from the room

and the opening providing a clear width of not less than 68 inches and a clear height of the door opening shall not be less than 80 inches."

(3) IFC, Chapter 9, Section 903.2.1.2, Group A-2, is amended to add the following subsection: "4. An automatic fire sprinkler system shall be provided throughout Group A-2 occupancies where indoor pyrotechnics are used."

(4) IFC, Chapter 9, Section 903.2.2, Ambulatory Health Care Facilities, is amended as follows: On line two delete the words "all fire areas floor" and replace with the word "buildings" and delete the last paragraph.

(5) IFC, Chapter 9, Section 903.2.4, Group F-1, Subsection 2, is deleted and rewritten as follows: "A Group F-1 fire area is located more than three stories above the lowest level of fire department vehicle access."

(6) IFC, Chapter 9, Section 903.2.7, Group M, Subsection 2, is deleted and rewritten as follows: "A Group M fire area is located more than three stories above the lowest level of fire department vehicle access."

(7) IFC, Chapter 9, Section 903.2.8 Group R, is amended to add the following: "Exception: Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) constructed in accordance with the International Residential Code for one- and two-family dwellings."

(8) IFC, Chapter 9, Section 903.2.8, Group R, is amended to add a second exception as follows: "Exception: Group R-4 fire areas not more than 4,500 gross square feet and not containing more than 16 residents, provided the building is equipped throughout with an approved fire alarm system that is interconnected and receives its primary power from the building wiring and a commercial power system."

(9) IFC, Chapter 9, Section 903.2.8 Group R, is amended to add a third exception as follows: "Exception: Single story group R-1 occupancies with fire areas not more than 2,000 square feet that contain no installed plumbing or heating, where no cooking occurs, and constructed of Type I-A, I-B, II-A, or II-B construction."

(10) IFC, Chapter 9, Section 903.2.9, Group S-1, Subsection 2, is deleted and rewritten as follows: "A Group S-1 fire area is located more than three stories above the lowest level of fire department vehicle access."

(11) IFC, Chapter 9, Section 903.3.1.1 is amended by adding the following subsection: "903.3.1.1.2 Antifreeze Limitations. Antifreeze used in a new automatic sprinkler system installed in accordance with NFPA 13 may not exceed a maximum concentration of 38% premixed propylene glycol or 48% premixed glycerin, and the capacity of the system may not exceed 150 gallons."

(12) IFC, Chapter 9, Section 903.3.1.2 is amended by adding the following subsection: "903.3.1.2.2 Antifreeze Limitations. Antifreeze used in a new automatic sprinkler system installed in accordance with NFPA 13R may not exceed a maximum concentration of 38% premixed propylene glycol or 48% premixed glycerin, and the capacity of the system may not exceed 150 gallons."

(13) IFC, Chapter 9, Section 903.3.1.3 is amended by adding the following subsection: "903.3.1.3.1 Antifreeze Limitations. Antifreeze used in a new automatic sprinkler system installed in accordance with NFPA 13D may not exceed a maximum concentration of 38% premixed propylene glycol or 48% premixed glycerin, and the capacity of the system may not exceed 150 gallons."

(14) IFC, Chapter 9, Section 903.3.5, Water supplies, is amended as follows:

On line six, after the word "Code", add "and as amended in Utah's State Construction Code".

(15) IFC, Chapter 9, Section 903.5 is amended to add the following subsection: "903.5.1 Tag and Information. A tag shall be attached to the riser indicating the date the antifreeze solution was tested. The tag shall also indicate the type and concentration of antifreeze solution by volume with which the system is filled, the name of the contractor that tested the antifreeze solution, the contractor's license number, and a warning to test the concentration of the antifreeze solutions at yearly intervals."

(16) IFC, Chapter 9, Section 904.11, Commercial cooking systems, is deleted and rewritten as follows: "The automatic fire extinguishing system for commercial cooking systems shall be of a type recognized for protection of commercial cooking equipment and exhaust systems. Pre-engineered automatic extinguishing systems shall be tested in accordance with UL300 and listed and labeled for the intended application. The system shall be installed in accordance with this code, its listing and the manufacturer's installation instructions. The exception in Section 904.11 is not deleted and shall remain as currently written in the IFC."

(17) IFC, Chapter 9, Section 904.11.3, Carbon dioxide systems, and Section 904.11.3.1, Ventilation system, are deleted and rewritten as follows:

(a) "Existing automatic fire extinguishing systems used for commercial cooking that use dry chemical are prohibited and shall be removed from service."

(b) "Existing wet chemical fire extinguishing systems used for commercial cooking that are not UL300 listed and labeled are prohibited and shall be either removed or upgraded to a UL300 listed and labeled system."

(18) IFC, Chapter 9, Section 904.11.4, Special provisions for automatic sprinkler systems, is amended to add the following subsection: "904.11.4.2 Existing automatic fire sprinkler systems protecting commercial cooking equipment, hood, and exhaust systems that generate appreciable depth of cooking oils shall be replaced with a UL300 system that is listed and labeled for the intended application."

(19) IFC, Chapter 9, Section 904.11.6.2, Extinguishing system service, is amended to add the following: "Exception: Automatic fire extinguishing systems located in occupancies where usage is limited and less than six consecutive months may be serviced annually if the annual service is conducted immediately before the period of usage, and approval is received from the AHJ."

(20) IFC, Chapter 9, Section 905.3.9 is a new subsection as follows: "Open Parking Garages. Open parking garages shall be equipped with an approved Class I manual standpipe system when fire department access is not provided for firefighting operations to within 150 feet of all portions of the open parking garage as measured from the approved fire department vehicle access. Class I manual standpipe shall be accessible throughout the parking garage such that all portions of the parking structure are protected within 150 feet of a hose connection.

Exception: Open parking garages equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1."

(21) IFC, Chapter 9, Section 905.8, Dry Standpipes, Exception is deleted and rewritten as follows: "Where subject to freezing conditions and approved by the fire code official."

(22) IFC, Chapter 9, Section 905.11, Existing buildings, and IFC, Chapter 11,

Section 1103.6, Standpipes, are deleted.

(23) In IFC, Chapter 9, Section 906.1, Where Required, the exception under paragraph 1 is deleted and rewritten to read: "Exception: In new and existing Group A, B, and E occupancies equipped with quick response sprinklers, portable fire extinguishers shall be required only in locations specified in items 2 through 6."

(24) IFC, Chapter 9, Section 907.2.3 Group E:

(a) The first sentence is deleted and rewritten as follows: "A manual fire alarm system that initiates the occupant notification system in accordance with Section 907.5 and installed in accordance with Section 907.6 shall be installed in Group E occupancies."

(b) Exception number 3, on line five, delete the words, "emergency voice/alarm communication system" and replace with "occupant notification system."

(25) IFC, Chapter 9, 907.8, Inspection, testing, and maintenance, is amended to add the following sentences at the end of the section: "Increases in nuisance alarms shall require the fire alarm system to be tested for sensitivity. Fire alarm systems that continue after sensitivity testing with unwarranted nuisance alarms shall be replaced as directed by the AHJ."

(26) IFC, Chapter 9, Section 908.7, Carbon Monoxide Alarms, is deleted and rewritten as follows:

"908.7 Carbon Monoxide Detection.

908.7.1 Groups R-1, R-2, R-3, R-4, I-1, and I-4. Carbon monoxide detection shall be installed on each habitable level of a dwelling unit or a sleeping unit in Groups R-1, R-2, R-3, R-4, I-1, and I-4 occupancies that are equipped with a fuel-burning appliance.

908.7.1.1 If more than one carbon monoxide detector is required, the carbon monoxide detectors shall be interconnected as required in IFC, Chapter 9, Section 907.2.11.3.

908.7.1.2 In new construction, a carbon monoxide detector shall receive its primary power as required under IFC, Chapter 9, Section 907.2.11.4.

908.7.1.3 Upon completion of the installation, a carbon monoxide detector system shall meet the requirements listed in NFPA 720, Installation of Carbon Monoxide Detection and Warning Equipment and UL 2034, Standard for Single and Multiple Carbon Monoxide Alarms.

908.7.2 Group E. A carbon monoxide detection system shall be installed in new buildings that contain Group E occupancies in accordance with IFC, Chapter 9, Sections 908.7.2.1 through 908.7.2.6. A carbon monoxide detection system shall be installed in existing buildings that contain Group E occupancies in accordance with IFC, Chapter 11, Section 1103.9.

908.7.2.1 Where required. In Group E occupancies, a carbon monoxide detection system shall be provided where a fuel-burning appliance, a fuel-burning fireplace, or a fuel-burning forced air furnace is present.

908.7.2.2 Detection equipment. Each carbon monoxide detection system shall be installed in accordance with NFPA 720 and the manufacturer's instructions, and be listed as complying with UL 2034 and UL 2075.

908.7.2.3 Locations. Each carbon monoxide detection system shall be installed in the locations specified in NFPA 720.

908.7.2.4 Combination detectors. A combination carbon monoxide/smoke detector is an acceptable alternative to a carbon monoxide detection system if the combination carbon monoxide/smoke detector is listed in accordance with UL 2075 and UL 268.

908.7.2.5 Power source. Each carbon monoxide detection system shall receive primary power from the building wiring if the wiring is served from a commercial source. If primary power is interrupted, each carbon monoxide detection system shall receive power from a battery. Wiring shall be permanent and without a disconnecting switch other than that required for over-current protection.

908.7.2.6 Maintenance. Each carbon monoxide detection system shall be maintained in accordance with NFPA 720. A carbon monoxide detection system that becomes inoperable or begins to produce end-of-life signals shall be replaced."

(27) IFC Section 908.7.1 is renumbered to 908.7.3.

Amended by Chapter 74, 2014 General Session

Amended by Chapter 243, 2014 General Session

15A-5-205. Amendments and additions to IFC related to means of egress and special processes and uses.

(1) IFC, Chapter 10, Section 1008.1.9.6, Special locking arrangements in Group I-2, is amended as follows:

(a) The section title "Special locking arrangements in Group I-2." is rewritten to read "Special locking arrangements in Groups I-1 and I-2."

(b) On line three, delete the word "Group", and add the words "Group I-1 and".

(c) After existing Item 7 add Item 8 as follows: "8. The secure area or unit with special egress locks shall be located at the level of exit discharge in Type V construction."

(2) In IFC, Chapter 10, Section 1008.1.9.7, Delayed egress locks, Item 7 is added after the existing Item 6 as follows: "7. The secure area or unit with delayed egress locks shall be located at the level of exit discharge in Type V construction."

(3) In IFC, Chapter 10, Section [B] 1009.7.2, Stair Treads and Risers, Exception 5 is deleted and replaced with the following: "5. In Group R-3 occupancies, within dwelling units in Group R-2 occupancies, and in Group U occupancies that are accessory to a Group R-3 occupancy, or accessory to individual dwelling units in Group R-2 occupancies, the maximum riser height shall be 8 inches (203 mm) and the minimum tread depth shall be 9 inches (229 mm). The minimum winder tread depth at the walk line shall be 10 inches (254 mm), and the minimum winder tread depth shall be 6 inches (152 mm). A nosing not less than 0.75 inch (19.1 mm) but not more than 1.25 inches (32 mm) shall be provided on stairways with solid risers where the tread depth is less than 10 inches (254 mm)."

(4) IFC, Chapter 10, Section 1009.12 [B] 1009.15, Handrails, is amended to add the following exception: "6. In occupancies in Group R-3, as applicable in Section 1012 and in occupancies in Group U, which are accessory to an occupancy in Group R-3, as applicable in Section 1012, handrails shall be provided on at least one side of stairways consisting of four or more risers."

(5) IFC, Chapter 10, Section 1024, Luminous Egress Path Markings, is deleted.

(6) IFC, Chapter 10, Section 1030.2.1, Security Devices and Egress Locks, is amended to add the following: On line three, after the word "fire", add the words "and building".

Amended by Chapter 199, 2013 General Session

15A-5-205.5. Amendments to Chapter 11 of IFC.

(1) In IFC, Chapter 11, Section 1103.2 Emergency Responder Radio Coverage in Existing Buildings, is amended as follows: On line two after the title, the following is added: "When required by the fire code official".

(2) IFC, Chapter 11, Section 1103.5, Sprinkler Systems, is amended to add the following new subsection: "1103.5.3 Group A-2. An automatic fire sprinkler system shall be provided throughout existing Group A-2 occupancies where indoor pyrotechnics are used."

(3) IFC, Chapter 11, Section 1103.6, Standpipes, is deleted.

(4) In IFC, Chapter 11, 1103.7, Fire Alarm Systems, is deleted and rewritten as follows: "1103.7, Fire Alarm Systems. The following shall have an approved fire alarm system installed in accordance with Utah Administrative Code Section R710-4:

1. a building with an occupant load of 300 or more persons that is owned or operated by the state;

2. a building with an occupant load of 300 or more persons that is owned or operated by an institution of higher education; and

3. a building with an occupant load of 50 or more persons that is owned or operated by a school district, private school, or charter school.

Exception: the requirements of this section do not apply to a building designated as an Institutional Group I (as defined in IFC 202) occupancy."

(5) IFC, Chapter 11, 1103.7.1 Group E, 1103.7.2 Group I-1, 1103.7.3 Group I-2, 1103.7.4 Group I-3, 1103.7.5 Group R-1, 1103.7.5.1 Group R-1 Hotel and Motel Manual Fire Alarm System, 1103.7.5.1.1 Group R-1 Hotel and Motel Automatic Smoke Detection System, 1103.7.5.2 Group R-1 Boarding and Rooming Houses Manual Fire Alarm System, 1103.7.5.2.1 Group R-1 Boarding and Rooming Houses Automatic Smoke Detection System, 1103.7.6 Group R-2 and 1103.7.7 Group R-4, are deleted.

(6) IFC, Chapter 11, Section 1103.9, Carbon Monoxide Alarms, is deleted and rewritten as follows:

"1103.9 Carbon Monoxide Detection.

1103.9.1 Groups R-2, R-3, R-4, I-1, and I-4. Carbon monoxide detection shall be installed on each habitable level of a dwelling unit or a sleeping unit in existing Groups R-2, R-3, R-4, I-1, and I-4 occupancies that are equipped with a fuel-burning appliance.

1103.9.1.1 If more than one carbon monoxide detector is required, they shall be interconnected as required in IFC, Chapter 9, Section 907.2.11.3.

1103.9.1.2 In new construction, a carbon monoxide detector shall receive its primary power as required under IFC, Chapter 9, Section 907.2.11.4.

1103.9.1.3 Upon completion of the installation, the carbon monoxide detector system shall meet the requirements listed in NFPA 720, Installation of Carbon Monoxide Detection and Warning Equipment and UL 2034, Standard for Single and

Multiple Carbon Monoxide Alarms.

1103.9.2 Group E. Carbon monoxide detection shall be installed in existing buildings that contain Group E occupancies in accordance with IFC, Chapter 9, Sections 908.7.2.1 through 908.7.2.6."

Amended by Chapter 74, 2014 General Session

15A-5-206. Amendments and additions to IFC related to hazardous materials, explosives, fireworks, and flammable and combustible liquids.

(1) For IFC, Explosives and Fireworks, IFC, Chapter 56, Section 5601.3, Fireworks, Exception 4 is amended to add the following sentence at the end of the exception: "The use of fireworks for display and retail sales is allowed as set forth in Utah Code, Title 53, Chapter 7, Utah Fire Prevention and Safety Act, Sections 53-7-220 through 53-7-225; Utah Code, Title 11, Chapter 3, County and Municipal Fireworks Act; Utah Administrative Code, R710-2; and the State Fire Code."

(2) For IFC, Chapter 57, Flammable and Combustible Liquids:

(a) IFC, Chapter 57, Section 5701.4, Permits, is amended to add the following at the end of the section: "The owner of an underground tank that is out of service for longer than one year shall receive a Temporary Closure Notice from the Department of Environmental Quality, and a copy shall be given to the AHJ."

(b) IFC, Chapter 57, Section 5706.1, General, is amended to add the following special operation: "8. Sites approved by the AHJ".

(c) IFC, Chapter 57, Section 5706.2, Storage and dispensing of flammable and combustible liquids on farms and construction sites, is amended to add the following: On line five, after the words "borrow pits", add the words "and sites approved by the AHJ".

(3) For IFC, Chapter 61, Liquefied Petroleum Gas:

(a) IFC, Chapter 61, Section 6101.2, Permits, is amended as follows: On line two, after the word "105.7", add "and the adopted LP Gas rules".

(b) IFC, Chapter 61, Section 6103.1, General, is deleted and rewritten as follows: "General. LP Gas equipment shall be installed in accordance with NFPA 54, NFPA 58, the adopted LP Gas rules, and the International Fuel Gas Code, except as otherwise provided in this chapter."

(c) Chapter 61, Section 6109.12, Location of storage outside of buildings, is amended as follows: In Table 6109.12, Doorway or opening to a building with two or more means of egress, with regard to quantities 720 or less and 721 -- 2,500, the currently stated "5" is deleted and replaced with "10".

(d) IFC, Chapter 61, Section 6109.15.1, Automated Cylinder Exchange Stations, is amended as follows: Item # 4 is deleted.

(e) IFC, Chapter 61, Section 6110.1, Temporarily out of service, is amended as follows: On line two, after the word "discontinued", add the words "for more than one year or longer as allowed by the AHJ,".

Amended by Chapter 199, 2013 General Session

15A-5-207. Amendments and additions to IFC related to existing buildings

and referenced standards.

IFC, Chapter 80, Referenced Standards, is amended as follows:

- (1) Under the heading NFPA - National Fire Protection Association, delete the existing "Standard reference number" with regard to the edition and replace it with the following:
 - (a) "NFPA, Standard 10, Portable Fire Extinguishers, 2010 edition";
 - (b) "NFPA, Standard 11, Low-, Medium- and High-expansion Foam, 2010 edition";
 - (c) "NFPA, Standard 12, Carbon Dioxide Extinguishing Systems, 2008 edition";
 - (d) "NFPA, Standard 12A, Halon 1301 Fire Extinguishing System, 2009 edition";
 - (e) "NFPA, Standard 13, Installation of Sprinkler Systems, 2010 edition";
 - (f) "NFPA, Standard 13D, Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes, 2010 edition";
 - (g) "NFPA, Standard 13R, Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height, 2010 edition";
 - (h) "NFPA, Standard 14, Installation of Standpipe and Hose Systems, 2010 edition";
 - (i) "NFPA, Standard 17, Dry Chemical Extinguishing Systems, 2009 edition";
 - (j) "NFPA, Standard 17A, Wet Chemical Extinguishing Systems, 2009 edition";
 - (k) "NFPA, Standard 20, Installation of Stationary Pumps for Fire Protection, 2010 edition";
 - (l) "NFPA, Standard 22, Water Tanks for Private Fire Protection, 2008 edition";
 - (m) "NFPA, Standard 24, Installation of Private Fire Service Mains and Their Appurtenances, 2010 edition";
 - (n) "NFPA, Standard 72, National Fire Alarm Code, 2010 edition," all "Referenced in code section numbers" remain the same, except the exclusion of Table 508.1.5;
 - (o) "NFPA, Standard 92B, Smoke Management Systems in Malls, Atria and Large Spaces, 2009 edition";
 - (p) "NFPA, Standard 101, Life Safety Code, 2009 edition";
 - (q) "NFPA, Standard 110, Emergency and Standby Power Systems, 2010 edition";
 - (r) "NFPA 720, Installation of Carbon Monoxide (CO) Detection and Warning Equipment, 2009 edition";
 - (s) "NFPA, Standard 750, Water Mist Fire Protection Systems, 2010 edition";
- and
- (t) "NFPA, Standard 1123, Fireworks Display, 2010 edition."
- (2) Under the heading UL -- Underwriters Laboratories, Inc., add the following:

"UL2034, Standard for Single and Multiple Station Carbon Monoxide Alarms, 1998."

Amended by Chapter 199, 2013 General Session

15A-5-208. Blasting permits.

- (1) An operational permit is required for the use of any quantity of explosives or explosive materials for the purpose of blasting.
- (2) The State Fire Marshal Division shall issue blasting permits:

(a) for those locations where the local fire department that has jurisdiction of the location of the blast does not have a procedure in place for issuing blasting permits; and

(b) for multiple blasting activities that are part of one project and that involve conducting blasts in the jurisdictions of more than one fire department.

(3) The State Fire Marshal Division shall adopt rules pursuant to Title 63G, Chapter 3, Utah Administrative Rulemaking Act, as necessary to implement the procedure of issuing blasting permits under this section.

Enacted by Chapter 84, 2012 General Session

15A-5-301. General provisions.

The amendments and additions in this part to the NFPA are adopted for application statewide.

Enacted by Chapter 14, 2011 General Session

15A-5-302. Amendments and additions to NFPA related to National Fire Alarm Code.

For NFPA 72, National Fire Alarm Code:

(1) NFPA 72, Chapter 2, Section 2.2, NFPA Publications, is amended to add the following NFPA standard: "NFPA 20, Standard for the Installation of Stationary Pumps for Fire Protection, 2010 edition."

(2) NFPA 72, Chapter 10, Section 10.4.1, System Designer, Subsection 10.4.1.2(2), is deleted and rewritten as follows: "National Institute of Certification in Engineering Technologies (NICET) fire alarm level II certified personnel."

(3) NFPA 72, Chapter 10, Section 10.4.2, System Installer, Subsection 10.4.2.2(2), is deleted and rewritten as follows: "National Institute of Certification in Engineering Technologies (NICET) fire alarm level II certified personnel."

(4) NFPA 72, Chapter 10, Section 10.10, Fire Alarm Signal Deactivation, Subsection 10.10.2, is amended to add the following sentence: "When approved by the AHJ, the audible notification appliances may be deactivated during the investigation mode to prevent unauthorized reentry into the building."

(5) NFPA 72, Chapter 10, Section 10.15, Protection of Fire Alarm System, is deleted and rewritten as follows: "Automatic smoke detection shall be provided at the location of each fire alarm control unit(s), notification appliance circuit power extenders, and supervising station transmitting equipment to provide notification of fire at the location."

(6) In NFPA 72, Chapter 10, Section 10.15, a new Exception 1 is added as follows: "When ambient conditions prohibit installation of automatic smoke detection, automatic heat detection shall be permitted."

(7) In NFPA 72, Chapter 23, Section 23.8.5.9, Signal Initiation -- Fire Pump, Subsection 23.8.5.9.3 is added as follows: "Automatic fire pumps shall be supervised in accordance with NFPA 20, Standard for the Installation of Stationary Pumps for Fire Protection, and the AHJ."

(8) NFPA 72, Chapter 26, Section 26.3.4, Indication of Central Station Service,

Subsection 26.3.4.7 is amended as follows: On line two, after the word "notified", insert the words "without delay".

(9) NFPA 72, Chapter 10, Section 10.4.3 Inspection, Testing, and Maintenance Personnel, Subsection 10.4.3.1, is deleted and rewritten as follows: "Service personnel shall be qualified and experienced in the inspection, testing, and maintenance of fire alarm systems. Qualified personnel shall meet the certification requirements stated in Utah Administrative Code, R710-11-3, Fire Alarm System Inspecting and Testing."

Amended by Chapter 199, 2013 General Session

15A-5-303. Amendments and additions to NFPA related to manufacture, transportation, storage, and retail sales of fireworks.

(1) For purposes of this section and subject to Subsection (2), the Utah Fire Prevention Board shall adopt standards by rule for the retail sales of consumer fireworks, and in doing so, shall consider the applicable provisions of NFPA 1124, Chapter 7, Retail Sales of Consumer Fireworks.

(2) NFPA 1124 Manufacture, Transportation, Storage, and Retail Sales of Fireworks and Pyrotechnic Articles:

(a) In NFPA 1124, Chapter 7, Section 7.2, Special Limits for Retail Sales of Consumer Fireworks, Subsection 7.2.8 is added as follows: "Display of Class C common state approved explosives inside of buildings protected throughout with an automatic fire sprinkler system shall not exceed 25% of the area of the retail sales floor or exceed 600 square feet, whichever is less."

(b) In NFPA 1124, Chapter 7, Section 7.2, Special Limits for Retail Sales of Consumer Fireworks, Subsection 7.2.9 is added as follows: "Rack storage of Class C common state approved explosives inside of buildings is prohibited."

(c) NFPA 1124, Chapter 7, Section 7.3.1, Exempt Amounts, Subsection 7.3.1.1, is deleted and rewritten as follows: "Display of Class C common state approved explosives inside of buildings not protected with an automatic fire sprinkler system shall not exceed 125 pounds of pyrotechnic composition."

(d) NFPA 1124, Chapter 7, Section 7.3.15.2, Height of Sales Displays, Subsection 7.3.15.2.2, is amended as follows: On line three delete "12 ft. (3.66m)" and replace it with "6 ft.".

Enacted by Chapter 14, 2011 General Session

15A-5-401. Grandfathering of local ordinances related to automatic sprinkler systems.

An ordinance adopted by a legislative body of a political subdivision that is in effect on June 30, 2010, and that imposes a requirement related to an automatic sprinkler system for a structure built in accordance with the requirements of the International Residential Code as adopted in the State Construction Code may remain in effect on or after July 1, 2010, notwithstanding that the ordinance is not authorized under Subsection 15A-5-203(1).

Amended by Chapter 199, 2013 General Session